

Data File : VU032680.D  
Acq On : 13 Jun 2019 09:19  
Operator : JC/SP  
Sample : VU0613WBL01  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VBLK60

Quant Time: Jun 14 01:28:42 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060619WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jun 14 01:25:52 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 161848   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 155362   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 77068    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 51656    | 49.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 98.38%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 43758    | 51.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 103.72% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 81459    | 39.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 79.24%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 91417    | 104.03   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 104.03% |
| 24) Chloroform-d               | 4.64    | 84    | 102142   | 52.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 104.32% |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 70395    | 57.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 114.12% |
| 32) Benzene-d6                 | 5.33    | 84    | 206130   | 51.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.22% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 66513    | 52.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 105.18% |
| 41) Toluene-d8                 | 7.56    | 98    | 185991   | 48.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.26%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 29007    | 47.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 95.86%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 46213    | 75.33    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 75.33%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 90454    | 49.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.72%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 78493    | 53.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 106.34% |

#### Target Compounds

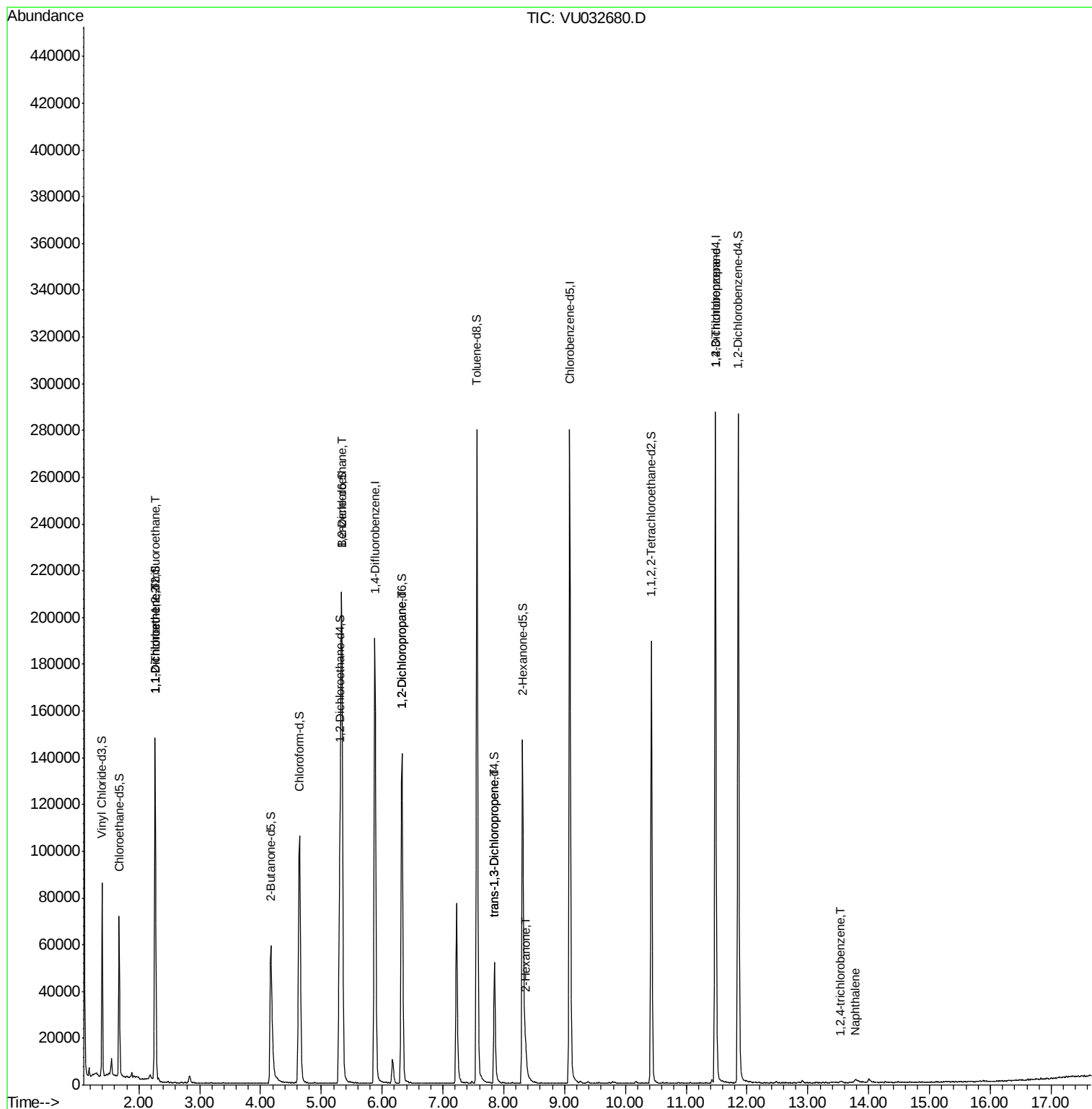
|                                |       |     |      |       | Qvalue |    |
|--------------------------------|-------|-----|------|-------|--------|----|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27  | 101 | 770  | 0.779 | ug/L # | 18 |
| 12) 1,1-Dichloroethene         | 2.27  | 96  | 672  | 0.700 | ug/L # | 1  |
| 27) 1,2-Dichloroethane         | 5.33  | 62  | 1246 | 0.805 | ug/L # | 75 |
| 37) 1,2-Dichloropropane        | 6.32  | 63  | 7778 | 6.722 | ug/L # | 88 |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 1591 | 0.982 | ug/L   | 99 |
| 48) 2-Hexanone                 | 8.36  | 43  | 7953 | 5.201 | ug/L # | 83 |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 9529 | 6.335 | ug/L   | 94 |
| 68) 1,2,4-trichlorobenzene     | 13.53 | 180 | 585  | 0.381 | ug/L # | 76 |
| 69) Naphthalene                | 13.78 | 128 | 2323 | 0.479 | ug/L # | 77 |

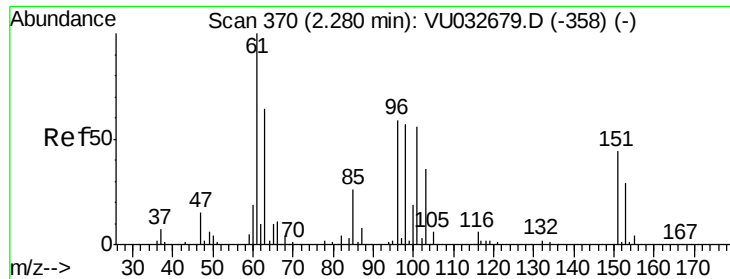
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Jun 14 01:25:52 2019  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.779 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032680.D

Acq: 13 Jun 2019 09:19

Instrument :

MSVOA\_U

ClientSampleId :

VBLK60

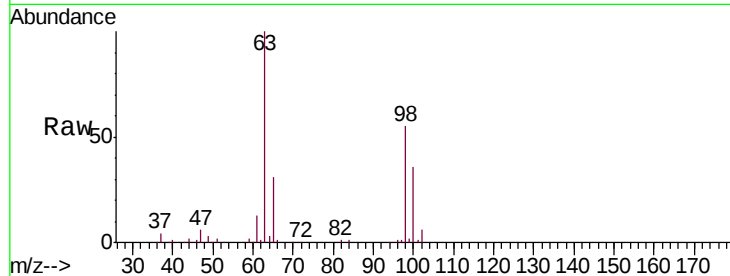
Tgt Ion: 101 Resp: 770

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

151 0.0 63.0 94.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

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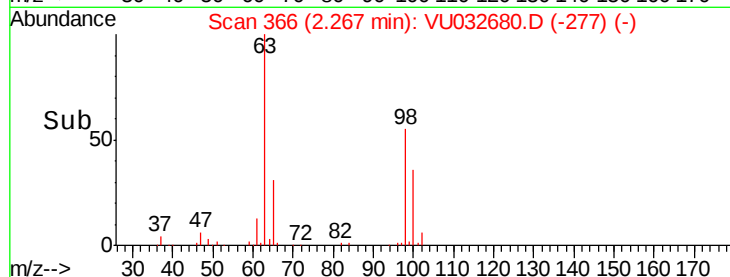
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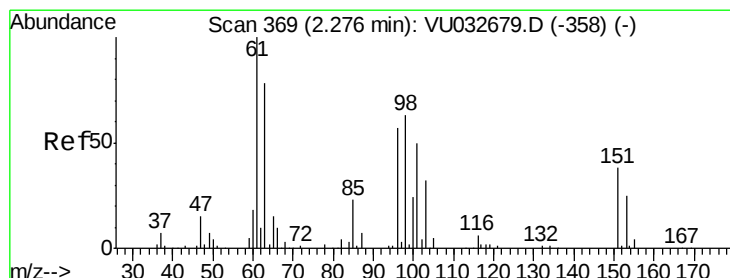
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Time-->



#12

1,1-Dichloroethene

Concen: 0.700 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032680.D

Acq: 13 Jun 2019 09:19

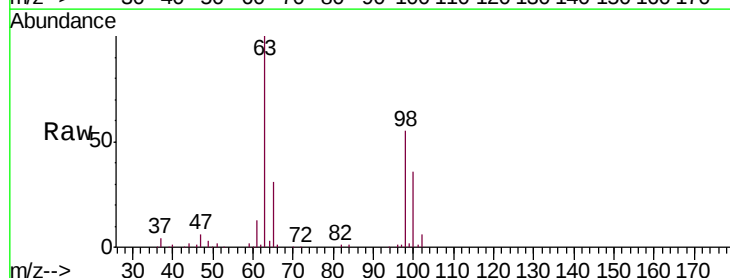
Tgt Ion: 96 Resp: 672

Ion Ratio Lower Upper

96 100

61 1505.1 129.5 240.5#

63 11882.2 103.4 192.0#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

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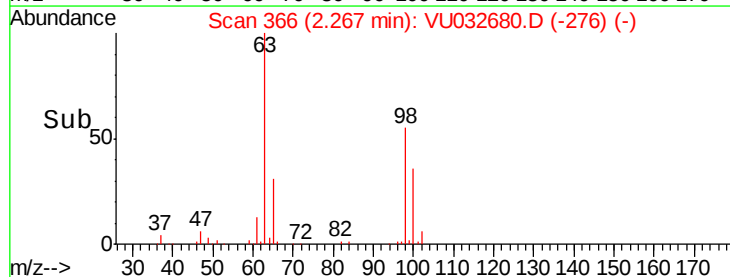
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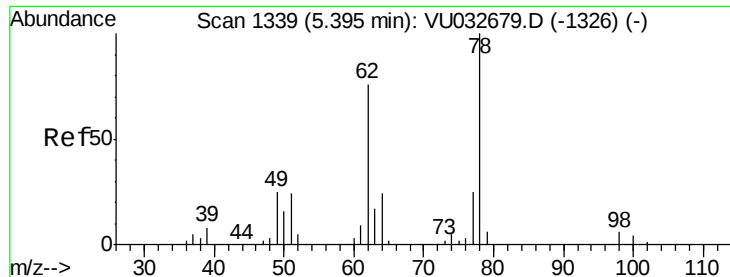
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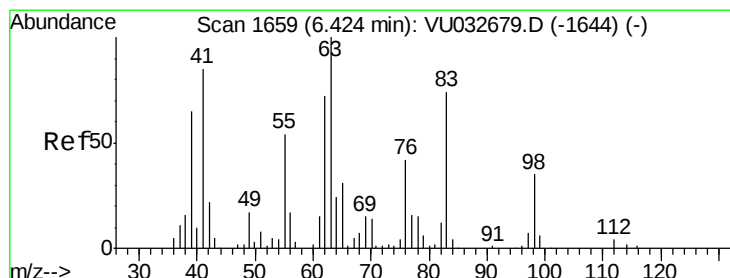
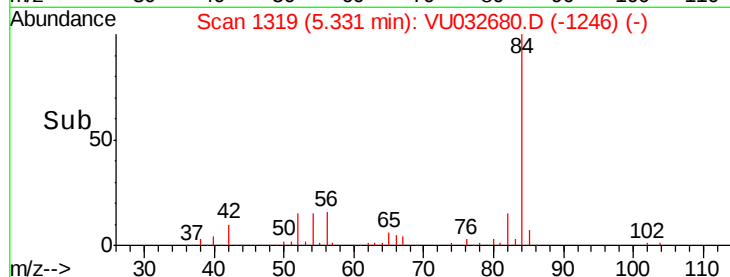
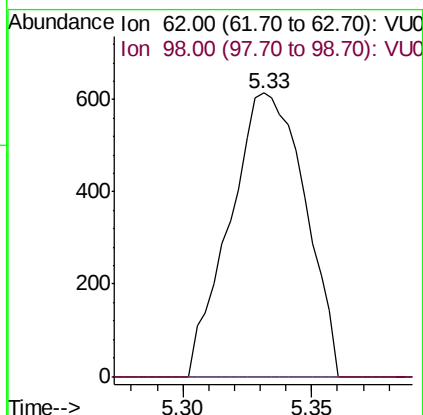
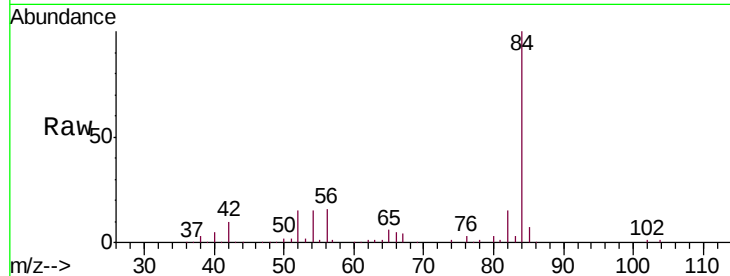
Time-->



#27  
 1,2-Dichloroethane  
 Concen: 0.805 ug/L  
 RT: 5.33 min Scan# 1319  
 Delta R.T. -0.06 min  
 Lab File: VU032680.D  
 Acq: 13 Jun 2019 09:19

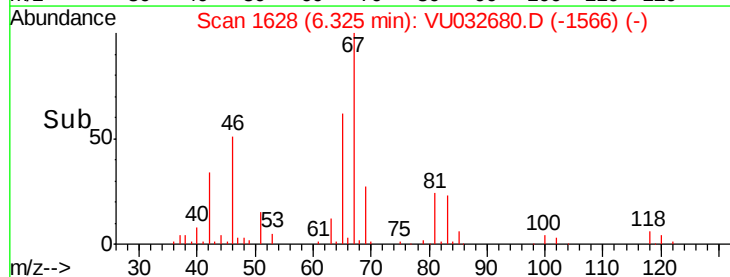
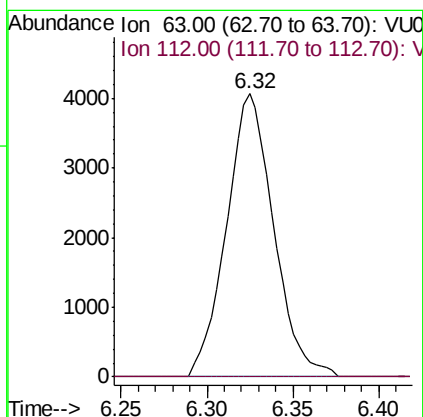
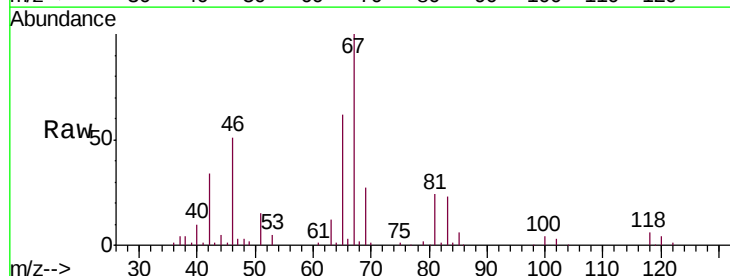
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK60

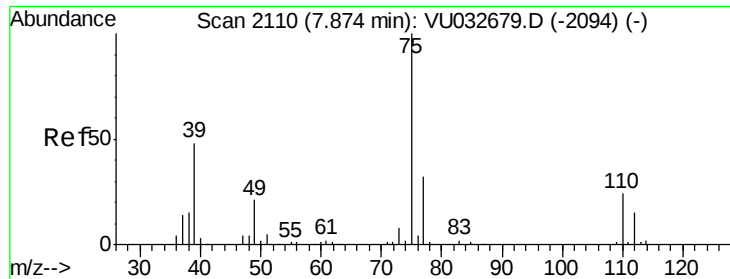
Tgt Ion: 62 Resp: 1246  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 7.2 10.8#



#37  
 1,2-Dichloropropane  
 Concen: 6.722 ug/L  
 RT: 6.32 min Scan# 1628  
 Delta R.T. -0.10 min  
 Lab File: VU032680.D  
 Acq: 13 Jun 2019 09:19

Tgt Ion: 63 Resp: 7778  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.1 4.7#

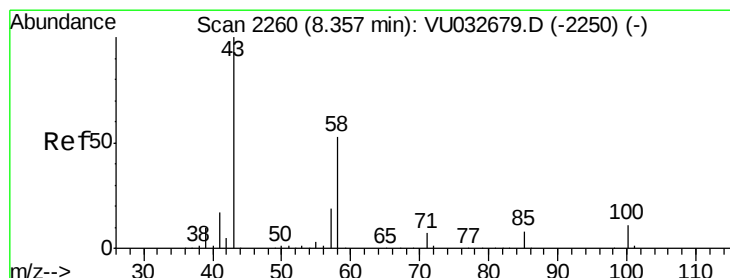
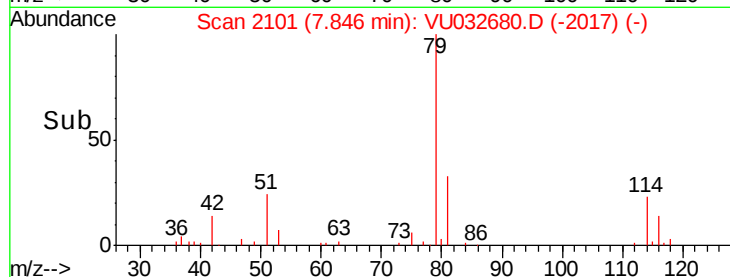
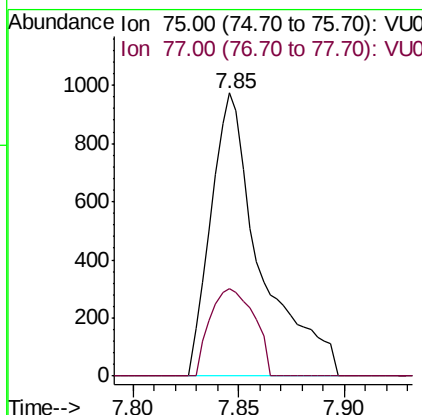
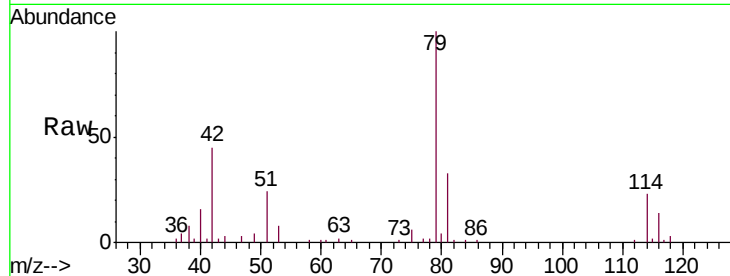




#44  
trans-1,3-Dichloropropene  
Concen: 0.982 ug/L  
RT: 7.85 min Scan# 2101  
Delta R.T. -0.03 min  
Lab File: VU032680.D  
Acq: 13 Jun 2019 09:19

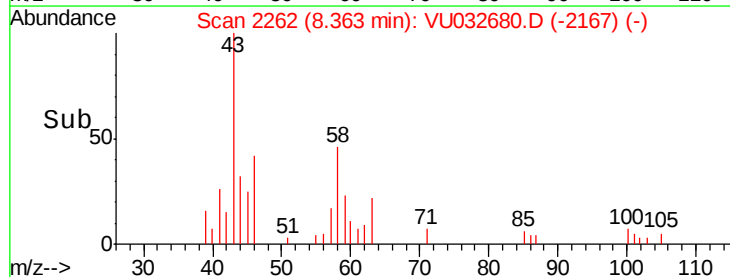
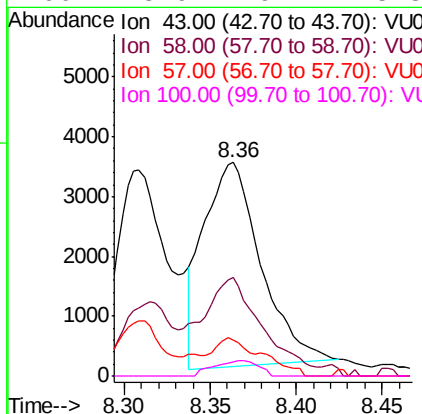
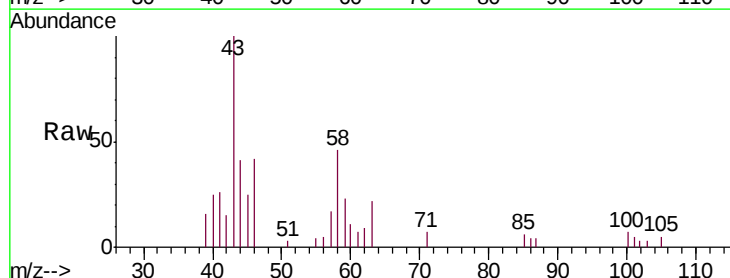
Instrument :  
MSVOA\_U  
ClientSampled :  
VBLK60

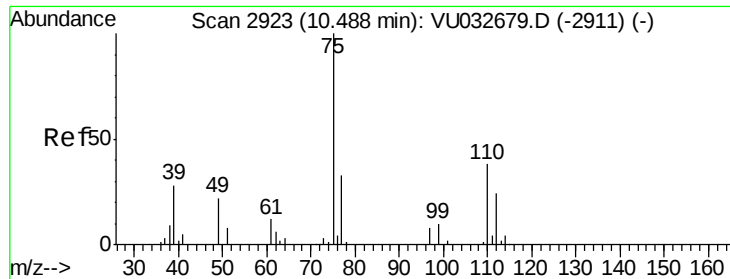
Tgt Ion: 75 Resp: 1591  
Ion Ratio Lower Upper  
75 100  
77 31.1 22.1 41.1



#48  
2-Hexanone  
Concen: 5.201 ug/L  
RT: 8.36 min Scan# 2262  
Delta R.T. 0.01 min  
Lab File: VU032680.D  
Acq: 13 Jun 2019 09:19

Tgt Ion: 43 Resp: 7953  
Ion Ratio Lower Upper  
43 100  
58 43.5 42.0 63.0  
57 4.4 14.6 22.0#  
100 5.9 9.2 13.8#

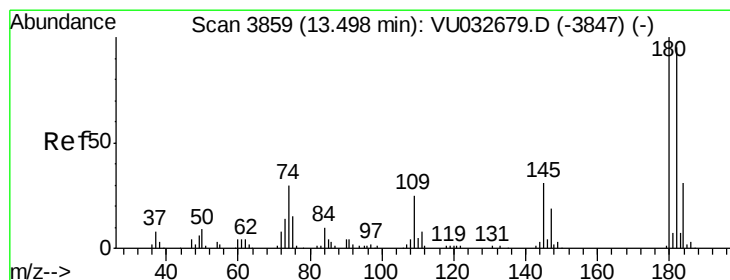
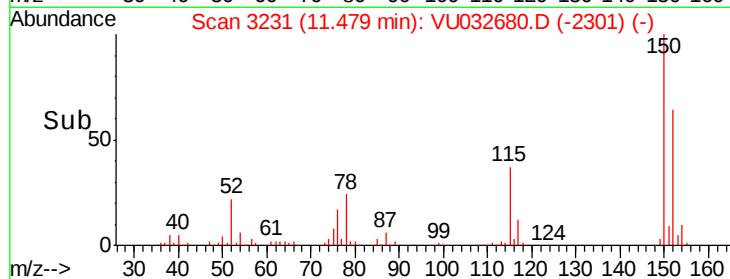
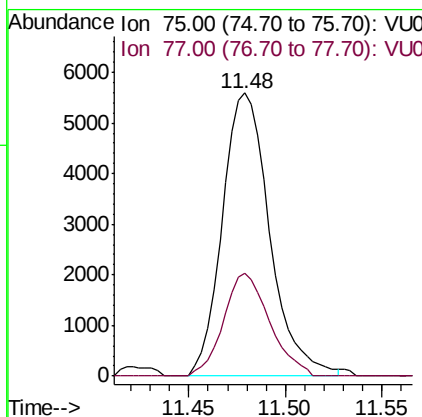
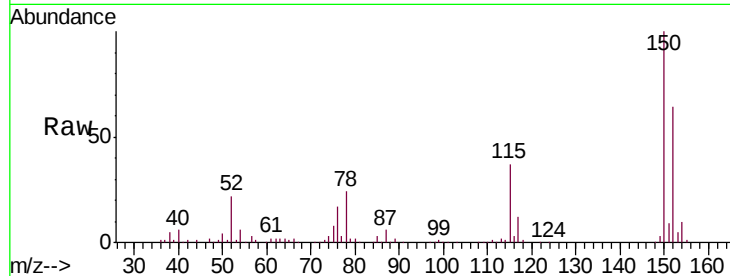




#59  
 1,2,3-Trichloropropane  
 Concen: 6.335 ug/L  
 RT: 11.48 min Scan# 3231  
 Delta R.T. 0.99 min  
 Lab File: VU032680.D  
 Acq: 13 Jun 2019 09:19

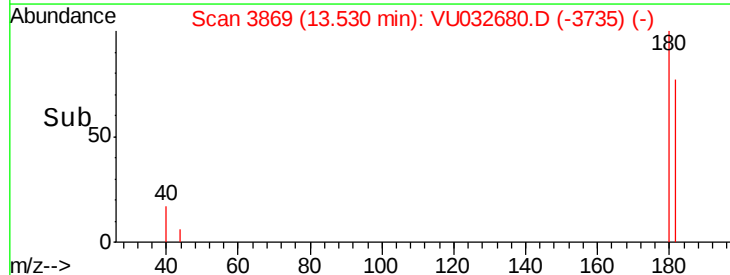
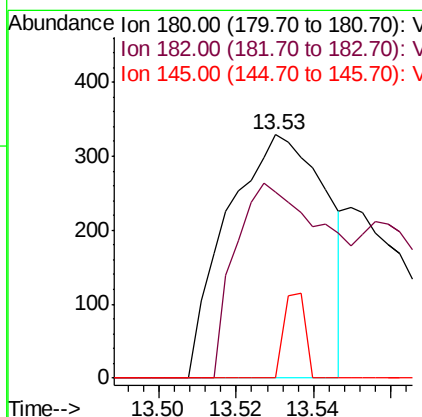
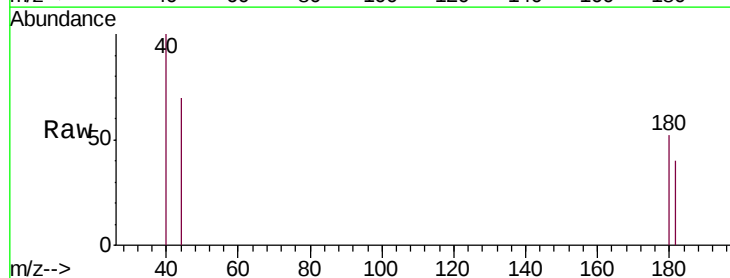
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 MSVOA\_U  
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 VBLK60

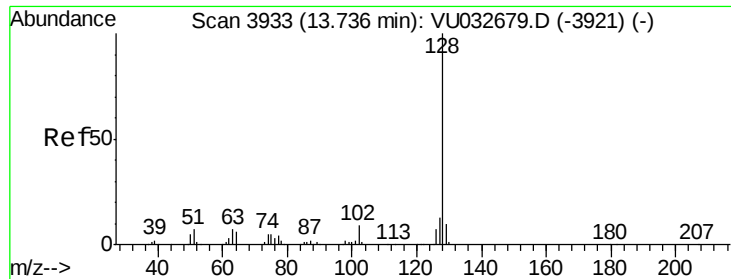
Tgt Ion: 75 Resp: 9529  
 Ion Ratio Lower Upper  
 75 100  
 77 35.2 25.6 38.4



#68  
 1,2,4-trichlorobenzene  
 Concen: 0.381 ug/L  
 RT: 13.53 min Scan# 3869  
 Delta R.T. 0.03 min  
 Lab File: VU032680.D  
 Acq: 13 Jun 2019 09:19

Tgt Ion: 180 Resp: 585  
 Ion Ratio Lower Upper  
 180 100  
 182 76.8 76.5 114.7  
 145 7.5 23.8 35.6#





#69

Naphthalene

Concen: 0.479 ug/L

RT: 13.78 min Scan# 3947

Delta R.T. 0.05 min

Lab File: VU032680.D

Acq: 13 Jun 2019 09:19

Instrument :

MSVOA\_U

ClientSampleId :

VBLK60

Tgt Ion:128 Resp: 2323

Ion Ratio Lower Upper

128 100

127 2.9 10.4 15.6#

129 3.0 8.5 12.7#

